

USSN 09/700,901

Docket No. 158-P-C1553US

Amendments to the Claims

A detailed list of all claims under examination is shown below. Please amend claims 1 and 4 as shown in marked form:

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1. (Currently amended) Two-component water paint system comprising an isocyanate as the first component and an aqueous emulsion of a hydroxy-functional alkyd resin as the second component, wherein the alkyd resin can be obtained from an oleic or fatty acid component, a polyvalent alcohol, a polyether polyol having a molecular weight of 400 to 8,000, a monobasic carboxylic acid and a polycarboxylic acid or the anhydride thereof, and wherein the first component contains a sufficient number of isocyanate groups and the second component contains a sufficient number of hydroxyl groups so that a mixture of the first component and second component has a processing time from 10 minutes to 6 hours at room temperature.
2. (Original) Two-component water paint system according to claim 1, wherein the hydroxy-functional alkyd resin has a hydroxyl content of 1 to 8 wt.-%.
3. (Original) Two-component water paint system according to claim 1 or 2, wherein the hydroxy-functional alkyd resin is additionally modified by reaction with isocyanate.
4. (Currently amended) Process for the preparation of a two-component water paint system according to claim 1, comprising the steps of:
 - 1) providing an isocyanate as the a first component, and
 - 2) preparing an aqueous emulsion of a hydroxy-functional alkyd resin comprising:
 - a) reacting an oleic or fatty acid component, a polyvalent alcohol, a polyether polyol having a molecular weight of 400 to 8,000, a monobasic carboxylic acid and a polycarboxylic acid or the anhydride thereof to obtain a hydroxy-functional alkyd resin,
 - b) neutralizing the hydroxy-functional alkyd resin with ammonia or amine, and
 - c) emulsifying the hydroxy-functional alkyd resin in water to provide the a second component

wherein the first component contains a sufficient number of isocyanate groups and the second component contains a sufficient number of hydroxyl groups so that a mixture

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of the first component and second component has a processing time from 10 minutes to 6 hours at room temperature.

5. (Original) Process according to claim 4, wherein the hydroxy-functional alkyd resin has a hydroxyl content of 1 to 8 wt.%.
6. (Original) Process according to claim 4, wherein the alkyd resin is additionally reacted with isocyanate.
7. (Original) Process for painting a substrate using a paint system prepared according to claim 4, comprising the steps of mixing the first and second components shortly before painting and applying the resulting mixture to the substrate.
8. (Original) Process according to claim 7, wherein the paint is applied in a film having a thickness of at least 120 μm .
9. (Original) A painted article comprising a substrate coated with an essentially bubble-free film comprising a cured paint system according to claim 1.
10. (Original) A painted article according to claim 9, wherein the film has a thickness of at least 120 μm .